

SCDXC Newsletter



The Southern California DX Club is a group of dedicated men and women active in the amateur radio community who enjoy communicating over the air with other radio amateurs around the world.

The SCDXC strongly supports the DX Code of Conduct. Please visit their website:

www.dx-code.org

The SCDXC newsletter is published monthly and released to club members around the first of each month. Amateur and DX related letters, news and pictures are welcome and will be published as time and space permit.

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Any questions regarding this newsletter or its articles should be addressed to the Editor, Bill, N6RV at:

n6rv@scdxc.org

Club meetings are held on the second Thursday of the month at 7:30 PM except July, July and July. Please check the club web site for events and details at: <http://www.scdxc.org>
If you are in the area please say hello on our repeater:

W6AM/R 145.48, (-) PL 100.0

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*If you need him get in
there and work him"*



DXer of The Year and Clipperton Award

In the decompression that follows hosting the IDXC we forgot to mention our honored award recipients... twice. Our sincere apologies for this oversight.

Bill Erickson, N6MXU, was awarded the honor of DXer of the Year. Bill has been a behind the scenes supporter of the club ever since he and Leida joined. If you have not noticed, Bill is the one behind the camera taping the important presentations. He also is one of the most skilled tower repair and installation people in the club. In an instant Bill has jumped in his truck bringing tools and whatever was necessary to assist members with their tower and antenna projects. If you attended the last SCDXC hosted Summer Bash you saw his house and, in particular his station. He has rebuilt that tower a few times. The MonsterIR is not a forgiving antenna and Bill has climbed it on a regular basis. His location is ideal, except the wind. He works stations many only dream of working and to top it all he does it for the joy of the hobby. Congratulations Bill. Many more years of hamming to you and your family! We hope we buttered you up enough to run for the board next year!



Scott Orr, W6MKO, is a new member with the attitude of a seasoned DXer. To quote a former SCDXC president; "He is the most active new DXer I have ever seen." Scott is heard on the bands almost every time you turn on a radio. He is chasing the rare ones with a passion. Having only been licensed for the past year, Scott has achieved DXCC and continues to add to his count. Are there more like you where you came from? You are exactly what we need in this club and we hope you continue in the hobby with the same gusto you demonstrated this past year. We look forward to sharing your stories about great openings and surprise contacts for years to come! Welcome to the Southern California DX Club!



**2019 IDXC
Hotel Registration
August 6th @ 10:00 AM PDT (1700 UTC)**

The NCDXC has announced the hotel registration date. They will post more information on the IDXC website.

<http://www.dxconvention.com/>

Remember the website alternates every year. Make sure you bookmark this website and not the SCDXC website.

Meritorious Achievement Award

Another award recipient we neglected to mention was Arnie Scatz, N6HC. Arnie was caught totally off guard with this first-time award recognizing his contribution to DXing. His resume is the envy of every DXpeditioner or any of us who only dreamed of travelling the world with radio in hand.

Here is a list of DXpeditions he has participated in:

K7C - Kure atoll (2005)
 3B7C - St. Brandon Island (2007)
 TX5C - Clipperton Island (2008)
 K4M - Midway Island (2009)
 T31A - Kanton atoll, Central Kiribati (2011)
 T32C - Christmas Island Eastern Kiribati (2011)
 NH8S - Swains Island (2012)
 T33A - Banaba (2013)
 FT5ZM- Amsterdam Island (2014)
 TX3X - Chesterfield Island (2015)
 3Y0Z - Bouvet Island DXpedition (2018)

Furthermore, today he is sitting on Baker Island with a group of other famous DXpeditioners, activating KH1/KH7Z. Right about now they are putting up antennas and just beginning another full force, non-stop operation.

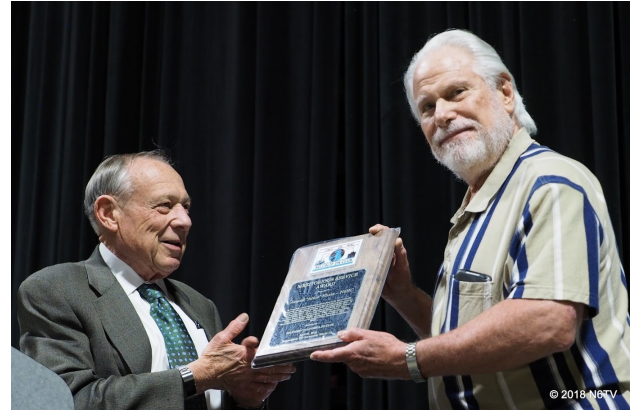
One thing of significant importance, Arnie is a doctor. Aside from being a proficient operator he also serves as the DXpedition physician. He brings all the medical supplies to tackle just about every situation encountered. He stitched a fisherman's leg on St. Brandon. Some of his medical equipment even kept one DXpedition on the air. A certain device was used to siphon and filter gasoline in a pinch. No, it was never used again :-)!

At home Arnie is very active in several contests and has hosted the Southern California Contest Clubs. In addition to hosting the SCCC Arnie has opened his home as a staging area for many of the South Pacific and Indian Ocean DXpeditions, storing palettes of equipment in his garage and making sure everything is secure for the journey.

The only compensation for Arnie's efforts is the reward of a job well done and the love of the hobby. This recognition given by the club is well earned along with our hope that he continues chasing his dream.

We look forward to a presentation on your latest travels and the future DXpeditions you will attend.

Congratulations!



Thank You Presenters

We had a great bunch of presentations at the convention this year. You know it is a roll of the dice. We put out the word and the presenters put in their bids. This year we were very fortunate. We had several world class operations and the majority of them took the time out to volunteer for the convention. A sincere thanks to all who put forth the effort and made this convention great one more time.

The Saturday banquet was a real treat. We were graced with three presenters all giving us a different view of the operation in Kosovo. Martti Laine, OH2BH, delivered a great report regarding the monumental 10 year effort bringing Kosovo into the amateur radio community. Vjollca Belagu described life in Kosovo before and after independence as well as the efforts to establish licensing and training new hams. Jim, K9JF explained the ins and outs of operating from this new and rare entity. The presentation went smoothly and many compliments were given. Good job you three! Thank you for your effort.



Real Youth!

This year we had two youngsters at the IDXC. Don't think that there was any arm twisting going on! Both are hams with ambition and experienced as well.

First is Cathy and Carl Gardenia's grandson, Tyler Young, KK6VMM, an appropriate name don't you think? At 17 years old he is ready to dive headlong into amateur radio. I am sure that Carl and Cathy is making sure that he is going in the right direction every step of the way. His ambition is to become an electronics engineer. Who knows? He may be the designer of the next generation of ham gear! Actually Tyler will be successful in any endeavor he chooses.

We were not only fortunate to have two youngsters, one of them is real DX. Xenia Berger, ZL4YL, also 17 years old, not only hails from New Zealand, she is a member of a ham radio family. Her father, Holger, ZL3IO sister, Sassi, ZL2GQ, and mother, Brigit, ZL2YL are very active in many contests. Their contest station, ZM4T, is one of the loudest signals from the land of kiwis. If you visit ZM4T on QRZ.com you will see another kiwi transplant, friend and member of SCDXC, Wes, ZL3TE, who contests at the Kiwi DX Lodge from time to time.

Holger and Xenia will be one of the teams operating in the 2018 WRTC Championship being held near Holger's childhood home in Germany in two weeks. Make sure you give them a point!

Tyler and Xenia were given a Yaesu FT60R handheld and an SDRPlay RSP-1a software defined radio.



From the Desk of the President

Mel Hughes, K6SY

Mel is on vacation this month cruising Europe! Our vice president, Kris Jacob, KC6TOD, will be presiding over the meeting. Mel will be back for the August festivities!



**2018
Board of Directors**

President

Mel Hughes K6SY

Vice President

Kris Jacob KC6TOD

Treasurer

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Newsletter Editor

Bill Kendrick N6RV

Webmaster

Jim Shryne N6DHZ

VP Notes

Kris Jacob, KC6TOD

Greetings to All,

The SCDXC's June picnic was a success, thank you to all those who brought goodies – chips, salads, desserts. Everyone enjoyed the hamburgers, hot dogs and chicken cooked by our volunteer chefs – Carolyn W6VNI, Michael K6MKL, Wayne W6IRD and Jerry K6QU. To all those who set up I greatly appreciated your help. Marilyn K6YL and Skip KJ6Y were at the park waiting for me at 8:00 am and shortly thereafter, Sharon K6IRD and Wayne W6IRD arrived to help. Again, many thanks to every one for helping make this picnic successful!

Our July meeting will be a little different, we are going to have a round table discussion on how we can encourage, promote and draw young people into the Amateur Radio hobby that we all enjoy so much. We, as a board, would like the participation of our membership to come up with ideas and suggestions. I hope that we can have a great turnout to have positive input – your thoughts and ideas are important.

This year is the SCDXC's year to host the annual Summer Bash on Sunday, August 12th; it will be at our home KC6TOD & N6VNI!

Our Christmas/Chanukah Party will be held on Sunday, December 16th at the Reef Restaurant.

If you have any suggestions for guest speakers/programs, please let me know. If you have a presentation you would like to share with the club, please contact me.

Please mark your calendar for all these events, we, as your board, have tried to plan in advance for all our special occasions.

73 and Good DXing!
Kris Jacob
KC6TOD

July Calendar

July 7	DL-DX RTTY Contest
July 12	Regular Meeting
July 14	IARU HF World Championship
July 22	NAQP, RTTY

For more contest Info see: <http://www.hornucopia.com/contestcal/contestcal.html>

Rumors on the Band

As we enter July solar noise should be on the increase. That means fewer over the pole openings. It was amazing that the HF bands were so good in June.

Check out the article on 6 meters. It has been a happening band almost all month.

We all should be working Baker Island about this time. Their stay is pretty short, only 11 days. Keep a close eye on the bands you need them!

For those who use FT8 Bill, N6WS, has provided a frequency file and instructions on how to load them into WSJTx. Here is a link to his webpage. Just follow the instructions:

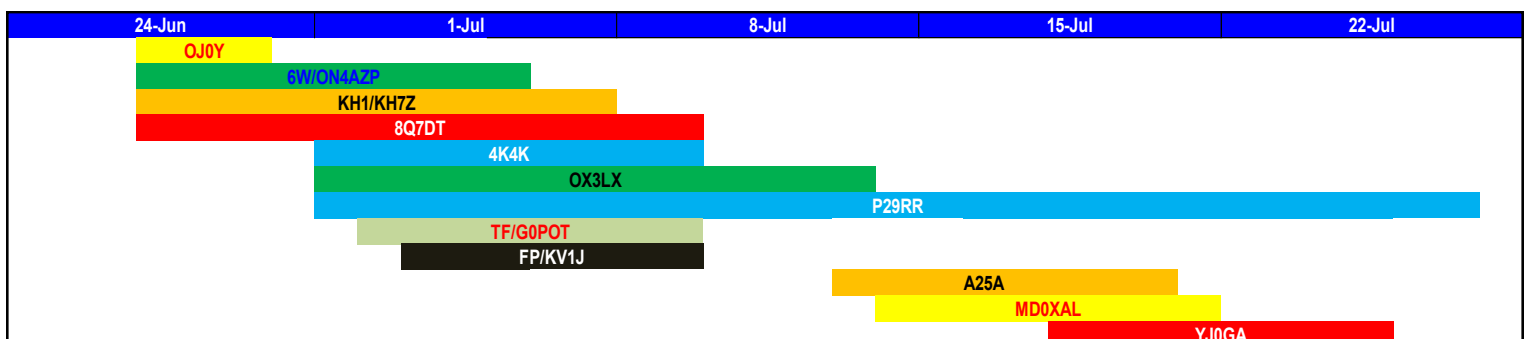
<http://www.n6ws.com/wsjt-x/>

Also follow the instructions on the KH1/ KH7Z website for operating WSJTx in DXpedition mode.

<http://baker2018.net/pages/plan.html>

QTH	Call	Start Date	End Date	Information
Market Reef	OJ0Y	Now	29-Jun	MM0NDX G0PVM HF
Senegal	6W/ON4AZP	Now	5-Jul	ON4AZP
Baker Isl.	KH1/KH7Z	Now	7-Jul	Large team 160 - 6m CW SSB Digital
Maldives	8Q7DT	Now	9-Jul	SM0UDH HF Digital
Azerbaijan	4K4K	1-Jul	10-Jul	DL7ZM 6m CW SSB FT8
Greenland	OX3LX	1-Jul	14-Jul	OZ1DJJ
Papua NG	P29RR	1-Jul	26-Jul	ZL1BQD 160 m & 20m
Iceland	TF/G0POT	2-Jul	9-Jul	G0POT SOTA
St. Pierre	FP/KV1J	3-Jul	9-Jul	160-6m SSB RTTY CW
Botswana	A25A	13-Jul	20-Jul	NJ0F 80-10m SSB RTTY FT8
Isle of Man	MD0XAL	14-Jul	21-Jul	M0XAL 80 40 20 10m
Vanuatu	YJ0GA	18-Jul	25-Jul	ZL3GA 80-6m

DX for July



DX Standings

Don't kill the messenger! He just went through all of ClubLog and The ARRL DX Standings. This was a 2 day job and the findings were odd. If you have different standing email a screenshot of your LoTW standings and they will be updated. If you do not have LoTW, and for WAZ, email your standings typing them into the body of the email. If you do not have email have someone do it for you! I would appreciate the standings broken down by bands, particularly for WAZ. Remember to include current standings, and current plus deleted standings (Total).

I know many of you have Z6 confirmed and it has not appeared on the official ARRL standings. Just email your current standings and the chart will be rectified.

If anyone sees an SK on the list notify us.

Send any updates to:
N6RV@SCDXC.org

SCDXC WAZ and DXCC Standings

The first WAZ column is the confirmed zone count on 10 bands 160 - 6 (less 60 meters). The second column is the regular 5BWAZ confirmed count. The following are the codes that follow the two columns and indicate the awards:

M	Mixed
P	Phone
C	CW
R	RTTY
5	5 Band

The first DXCC column is the confirmed entity count with deleted countries. The second column is the confirmed current entity count. The third column is the challenge slots.

The members highlighted in **Red** are at the top of the Honor Roll. Those in **Blue** are on the Honor Roll

SCDXC DXCC Standings										WAZ Standings		
Rank	Call	Total	Current	Slots	Rank	Call	Total	Current	Slots	Call	11B / 5B	Awards
1	W6KH	389	340		61	KJ6Y	321	321	1312	K6ND	378 / 200	M/5
2	K6KII	387	339		62	N6NPG	319	319		W6SR	369 / 200	M/P/C//5
3	JA1BK	383	340	3147	63	AK6I	317	317		WA5VGI	358 / 200	M/P/C/5
4	K6YRA	378	340	2272	64	W1YL	315	315		W8DX	357 / 200	M/5
5	OH2BH	377	340		65	KC6T	314	314		EJ7SA	357 / 200	M/5
6	ON4UN	373	339	1975	66	N6GP	314	292	1583	N6AW	355 / 200	M/P/C/5
7	N6UC	368	336		67	W6HB	311	311	1029	NS6C	345 / 200	
8	DJ9ZB	365	340	2665	68	N6VNI	311	309	1550	K6YRA	337 / 200	P/5
9	K6YUI	365	340	2598	69	NK6A	303	297	957	K6YUI	337 / 200	M/P/C/R/5
10	W6BCQ	365	339	1600	70	ZL3TE	297	295	1430	WD6L	248 / 200	M/P/5
11	K6IPV	362	335	1800	71	N6DHZ	295	289	1053	N6OU	220 / 200	M/5
12	NS6C	361	340	2503	72	K6IRD	294	292	649	K6UNR	200 / 200	M/P/5
13	K6SMF	360	337		73	N6UOZ	280	280		W6VX	352 / 199	
14	W6SR	359	340	2799	74	KT6LA	279	277	1035	K6G XO	358 / 198	M
15	K6FG	357	340	2774	75	WA6W XD	274	220		K6FG	365 / 198	M/P/C/R/5
16	K8RD	357	340		76	N6WT	273	273	1217	N6WS	339 / 198	M/P/C/5
17	WA6WZO	357	339		77	K7MY	267	265	831	W6ENZ	347 / 197	
18	N6RV	356	339	2131	78	K6VC	259	225		SM5GMZ	345 / 196	M/P/C
19	K6G XO	355	348	2633	79	K6SS	255	225	882	N6M XU	155 / 193	
20	K5KT	355	340		80	W3SE	249	244	754	N6RV	339 / 191	M/P/C
21	W6OU	355	335	1599	81	W6DOE	244	244	1005	K2PLF	191 / 191	
22	N6QQ	354	338	2178	82	KQ6K	243	243		N6HE	207 / 190	M/P/C
23	W6IRD	354	338		83	N6VOH	243	222		KC6X	294 / 187	M/P/C/5
24	W6TJI	354	337		84	W6LEN	236	236	771	N6QQ	325 / 186	M/P/C/R
25	W8DX	352	339	2517	85	K6JEY	234	234		KM6HB	321 / 185	5/M/P/C
26	W6RW	351	337	1991	86	N6HE	228	224	642	K6LD	314 / 186	M/P/C
27	W6TK	350	340	1945	87	N6AA	222	222		W6YOO	308 / 185	M/P/C/5
28	W6YOO	350	339	2130	88	K6AWB	219	219		KH6DX/m	210 / 184	
29	N6WS	350	338	2066	89	K6DDJ	214	211	551	K6KII	191 / 177	M
30	N7NR	350	329	1127	90	NE6V	213	213	663	K0OK	286 / 173	
31	W6KK	349	340	1864	91	W6WVW	210	210		K6SY	246 / 173	P
32	W6ENZ	349	339	2383	92	KK6FJQ	210	210	379	W6ZPL	237 / 173	M/P
33	W6VX	349	339	2772	93	W6KC	203	202	589	KJ6Y	261 / 172	
34	KC6X	349	338	2024	94	W0PE	201	201		KR6C	295 / 171	M/C
35	WA5VGI	348	340	2699	95	W6JEA	195	195		AD6KQ	226 / 164	
36	K6ND	348	339	2562	96	N6PM	192	191	618	N6DHZ	214 / 160	P
37	N6HC	348	339	2280	97	K6QU	174	174	181	W6DR	227 / 159	
38	AI6Z	348	335	2174	98	N6LL	169	169		NK6A	152 / 152	M/5
39	N6IC	347	337		99	KF6I	166	166		W6NRQ	180 / 147	M/P
40	N6HY	345	337	2424	100	K7LA	160	160	365	WB6PSY	139 / 140	P
41	N6PE	345	333	1941	101	W6EA	152	152		WA6BOB	152 / 136	M
42	KR6C	344	338	1985	102	W6QE	149	149	224	W6IRD	151 / 111	M/P
43	K6LPO	344	331	1236	103	N6DBF	142	142	374	K6IRD	154 / 126	M/P
44	N6PEQ	343	337	1941	104	AB9A	141	141		W5DQ	161 / 122	
45	KM6HB	343	336	1933	105	KI6RRD	139	138	376	W3SE	102 / 112	
46	SM5GMZ	343	333	2317	106	N6CA	133	133		KT6LA	132 / 103	
47	W6FL	342	329	1223	107	N6RU	129	128	279	K6IRA	118 / 102	
48	K7ACZ	341	337	1756	108	K6MKL	126	126	185	K6VC	96 / 96	P
49	N6MXU	341	331	1416	109	K6DSW	122	122	268	W6EA	92 / 86	
50	N6XT	339	332	1413	110	KC6TOD	120	120		N6UC	78 / 78	M
51	W6SW	339	331	540	111	W6MKO	110	0	0	KA6TTV	82 / 67	
52	K6RO	339	330	2083	112	KA6D	107	107		N6VNI	86 / 64	
53	W6ZPL	338	335	1367	113	K6BBC	103	103		N6RRY	74 / 64	
54	K2IXQ	337	332	1746	114	NQ6L	101	101		N6GIL	49 / 43	
55	K6SY	332	322	1037	115	K6SBA	100	100		W6DCK	40 / 40	P
56	W6DR	331	326	1431	116	N6YQ	100	100		K6JW	40 / 40	M/P
57	K6JW	329	323	1068	117	WA6MEM	100	100		K6YR	39 / 39	
58	AA6PW	328	328	1709	118	N6RRY	100	70	125	W6DOE	37 / 37	
59	N6AX	327	327	1198	119	K9TAD	74	74	93	NZ6L	36 / 36	
60	AC6DX	322	320	1887	120					W4EF	29 /	
										N6AWD		M
										N6HC		M/P/C
										KB6KTV		P
										W6OES		M
										K8RD		C

2018 Get Schroeder Contest

2017 Get Schroeder Leaders							1A0	4S	7Q	A3	CE9	E7	FK	GI	HS	KH0	LZ	PJ7	T2	TY	VK9L	VU4	YV0
2018 Entities Worked by SCDXC						254	1S	4U1ITU	7X	A4	CN	EA	FK/C	GJ	HV	KH1	OA	PY	T30	TZ	VK9M	VU7	Z2
2018 ClubLog Leaders						275	3A	4U1UN	8P	A5	CO	EA6	FM	GM	HZ	KH2	OD	PY0F	T31	UA	VK9N	XE	Z3
2017 SCDXC Members						281	3B7	4W	8Q	A6	CP	EA8	FO	GU	I	KH3	OE	PY0S	T32	UA0	VK9W	XF4	Z6
2017 SCDXC Leaders (N6RV)						263	3B8	4X	8R	A7	CT	EA9	FO/A	GW	ISO	KH4	OH	PY0T	T33	UA2	VK9X	XT	Z8
2017 ClubLog Leaders						289	3B9	5A	9A	A9	CT3	EI	FO/C	H4	J2	KH5	OH0	PZ	T5	UJ	VP2E	XU	ZA
Rank	Call	Entities	Delta	Missed	-QQ	Uniques	3C	5B	9G	AP	CU	EK	FO/M	H40	J3	KH6	OJ0	R1F	T7	UN	VP2M	XW	ZB2
						9	3C0	5H	9H	BS7H	CX	EL	FP	HA	J5	KH7K	OK	S0	T8	UR	VP2V	XX9	ZC4
1	N6WS	235	56	19	-29	0	3D2	5N	9J	BU	CY0	EP	FR	HB	J6	KH8	OM	S2	TA	V2	VP5	XZ	ZD7
2	W6OU	223	62	31	-17	2	3D2/C	5R	9K	BV9P	CY9	ER	FS	HB0	J7	KH8S	ON	S5	TF	V3	VP6	YA	ZD8
3	N6WT	220	34	34	-14	2	3D2/R	5T	9L	BY	D2	ES	FR/G	HC	J8	KH9	OX	S7	TG	V4	VP6/D	YB	ZD9
4	W6TK	211	63	43	-5	1	3DA	5U	9M2	C2	D4	ET	FR/J	HC8	JA	KL7	OY	S9	TI	V5	VP8	YI	ZF
5	N6QQ	206	53	48	0	1	3V	5V7	9M6	C3	D6	EU	FR/T	HH	JD1/M	KP1	OZ	SM	TI9	V6	VP8/G	YJ	ZK3
6	N6RV	204	58	50	2	0	3W	5W	9N	C5	DL	EX	FT5W	HI	JD1/O	KP2	P2	SP	TJ	V7	VP8/H	YK	ZL
7	WA5VGI	181	51	73	25	0	3XA	5X	9Q	C6	DU	EY	FT5X	HK	JT	KP4	P4	ST	TK	V8	VP8/O	YL	ZL7
8	KC6X	178	57	76 <td>28</td> <td>0</td> <th>3Y/B</th> <th>5Z</th> <th>9U</th> <th>C9</th> <th>E3</th> <th>EZ</th> <th>FT5Z</th> <th>HK0/M</th> <th>JW</th> <th>KP5</th> <th>P5</th> <th>SU</th> <th>TL</th> <th>VE</th> <th>VP8/S</th> <th>YN</th> <th>ZL8</th>	28	0	3Y/B	5Z	9U	C9	E3	EZ	FT5Z	HK0/M	JW	KP5	P5	SU	TL	VE	VP8/S	YN	ZL8
9	K7ACZ	151	61	103	55	0	3Y/P	6W	9V	CE	E4	F	FW	HK0/S	JX	LA	PA	SV	TN	VK	VP9	YO	ZL9
10	AI6Z	149	67	105	57	0	4J	6Y	9X	CE0X	E5/N	FG	FY	HL	JY	LU	PJ2	SV/A	TR	VK0H	VQ9	YS	ZP
11	N6PM	134	54	120	72	0	4L	7O	9Y	CE0Y	E5/S	FH	G	HP	K	LX	PJ4	SV5	TT	VK0M	VR	YT	ZS
12	W6M KO	130	40	124	76	0	4O	7P	A2	CE0Z	E6	FJ	GD	HR	KG4	LY	PJ5	SV9	TU	VK9C	VU	YV	ZS8

The slow season is upon us! The ClubLog leaders did not add

The slow season is upon us! The ClubLog leaders did not add a single new entity to their annual count. We added three and closed the gap by as many.

The SCDXC leader, N6WS, moved up two slots to #23 on the Global ClubLog leader board, with 235 worked he is at 89% of last years SCDXC number.

We now have 6 members who worked 200 plus entities this year and 18 members who worked DXCC this year with 4 more on the way, and in half a year we are at 87% of the entities worked by SCDXC last year. In spite of poor conditions there is still DX to work and some of it is new.

In the meantime 6 meters has been the focus of many members. The magic band has been open all of June! Look at the number of entities worked by the leaders. The top 50 are all from Europe primarily the Mediterranean and British Isles. Are you missing out?

6 Meter Standings

#	ClubLog	SCDXC
1	I4EAT 104	N6WS 23
2	G3TXF 101	N6RV 17
3	5B4ALJ 97	N6WT 9
4	ON7GB 92	N6QQ 8
5	IT9RZR 91	KC6X 8
6	CT1ILT 91	K6FG 7
7	G4TUK 90	NE6V 6
8	LY3W1 90	W6OU 5
9	EA3WD 89	KF6I 5
10	CT1IUA 88	N6GP 4

22 Countries Worked by ClubLog but not SCDXC

3XA	9N	FW	VQ9	ZL8
4W	A2	S2	XZ	ZS8
5U	A3	ST	YA	
8Q	E4	SV/A	YI	
8R	ET	TT	Z8	

3 Countries added to SCDXC Total in June

5A FP JD1/M

SCDXC Get Schroeder Standings 2018																
Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots	Yrs	
1	N6WS	35	56	11	151	125	197	136	71	34	31	23	235	870	54	
2	W6OU	4	19	0	71	37	165	34	16	12	2	5	223	365	55	
3	N6WT	16	32	0	112	61	194	81	44	8	5	9	220	562	4	
4	W6TK	11	49	0	138	63	182	71	65	6	22	1	211	608	61	
5	N6QQ	0	39	0	120	107	181	110	67	21	32	8	206	685	61	
6	N6RV	0	0	0	126	80	151	58	62	22	21	17	204	537	50	
7	WA5VGI	21	16	0	13	44	150	67	36	0	4	1	181	352	34	
8	KC6X	9	58	5	104	105	148	109	52	23	13	8	178	634	41	
9	K7ACZ	6	28	0	64	18	131	19	23	1	2	0	151	292	49	
10	A16Z	1	16	0	69	13	117	7	39	1	5	0	149	268	25	
11	N6PM	0	1	0	44	54	59	78	24	7	13	3	134	283	24	
12	W6M KO	0	15	0	78	17	84	32	10	1	2	2	130	241	1	
13	W6DR	33	52	0	109	13	95	13	47	1	2	0	125	365	38	
14	N6GP	0	53	0	0	17	87	6	34	0	7	4	113	208	29	
15	W6SR	4	19	0	41	2	94	1	48	0	2	0	103	211	51	
16	NS6C	16	13	0	46	29	55	25	7	2	1	0	103	194	61	
17	N6HY	2	4	0	69	22	47	20	7	1	0	1	98	173	65	
18	N6VNI	0	35	0	41	2	70	27	22	0	3	1	96	201	29	
19	NK6A	0	0	0	29	1	86	9	42	0	5	0	93	172	73	
20	SM5GMZ	40	31	0	11	14	25	25	10	0	0	0	92	156	49	
21	ZL3TE	2	8	3	42	21	37	40	15	6	4	0	83	178	14	
22	NE6V	12	8	0	15	0	47	10	3	1	0	6	76	102	22	
23	W6ENZ	11	9	0	43	12	26	20	10	3	1	3	75	138	51	
24	K6RO	0	0	0	14	6	63	9	30	1	14	2	74	139	30	
25	KE6PLA	0	5	0	7	5	71	12	14	2	11	3	73	130	2	
26	K6QU	0	15	0	55	10	32	12	6	1	2	0	72	133	4	
27	N6HE	0	0	0	35	5	52	25	26	0	2	0	69	145	40	
28	K6HB	2	11	0	24	22	48	20	15	12	7	3	67	164	27	
29	WM6C	0	30	0	37	0	52	0	26	0	0	0	66	145	21	
30	K6FG	7	7	0	29	9	26	11	5	1	5	7	64	107	62	
31	K7MYI	0	0	0	7	0	49	0	33	0	13	0	64	102	41	
32	W6BDJI	0	0	0	47	0	31	17	0	0	0	3	62	98	5	
33	KK6FJQ	0	0	0	13	10	26	14	6	1	2	2	57	74	5	
34	KF6I	1	3	0	36	0	14	0	10	0	0	5	43	69	14	
35	N6DBF	0	0	0	21	7	23	14	8	2	3	3	39	81	32	
36	K16RRD	2	4	0	7	21	8	9	8	2	3	3	35	67	10	
37	N6RRY	0	0	0	1	0	31	0	5	0	0	3	33	40	30	
38	SG5Z	0	6	0	1	9	11	10	3	0	0	0	30	40	4	
39	K6DDJ	0	2	0	4	7	15	10	3	0	0	0	28	41	23	
40	N6RU	0	1	0	0	1	16	1	12	0	1	0	25	32	12	
41	K6YUI	12	0	0	2	2	9	3	1	0	0	1	25	30	61	
42	K9TAD	0	0	0	3	3	16	0	0	0	0	1	22	23	11	
43	AC6DX	0	0	0	10	0	5	0	0	0	2	3	15	20	11	
44	KR6C	1	1	0	2	0	4	0	0	0	0	0	8	8	40	
45	W6SW	0	0	0	1	0	6	0	1	0	0	0	6	8	39	
46	KT6LA	0	0	0	0	0	1	0	0	0	0	0	1	1	12	

DX Marathon

The CQ Magazine DX Marathon originally began in 1947 to promote DX activity after WW2. The marathon was reinstituted in 2006. Here is an excerpt from the CQ Magazine announcement:

"The CQ DX Marathon is a cross between an award and a contest. It runs for a full year at a time, with competitors trying to contact as many countries and CQ zones as possible within the year. There are no carryovers from year to year, however, and everyone starts fresh each New Year's Day.

The original CQ DX Marathon was run in 1947, as an effort to promote DXing activity as ham radio came back to life after World War II. After one year, the program "morphed" into the highly successful CQ World Wide DX Contest. The decision to bring it back was part of a three-pronged response by CQ to perceptions that DXing activity outside of contests was dropping off. The other two new programs are the CQ DX Field Award and the CQ DX Award. "

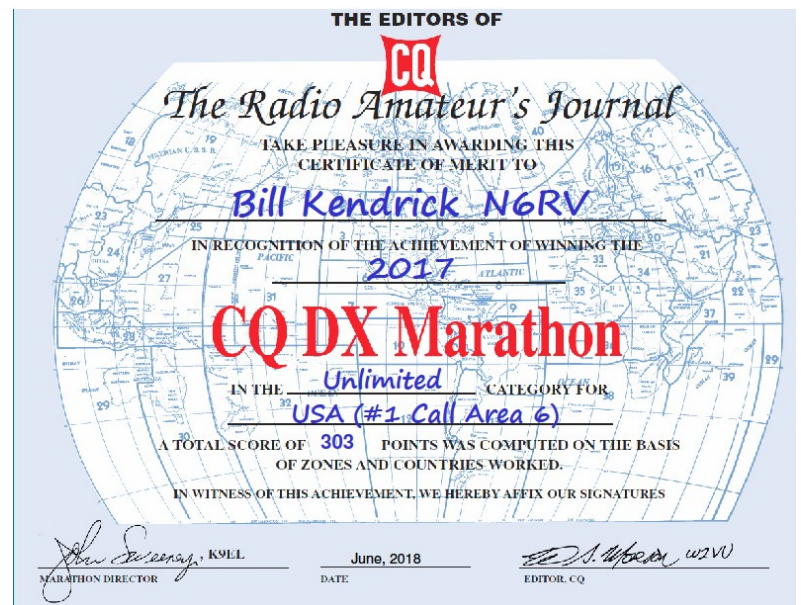
In the past two years two SCDXC club members took top honors in the 6th District and it looks like this year will be the a three bagger. Unfortunately in 2018 only three members submitted their score for the club. Furthermore in 2017 there were only 2 submissions. Since we are a DX Club participation in this award seems reasonable. Even if you do not score at the top it is a fun challenge and this award dove tails with the Get Schroeder competition. It would be nice for club members to submit their scores on line. It is a simple process made even simpler if you use DX Keeper (part of the DXLab logging freeware). The award requires only a listing of the entities worked which will be vetted by the Marathon committee. No QSLs required!

Here is the CQ DX Marathon website:

<http://www.dxmarathon.com/>

If you are not using DXLab give it a try:

<https://www.dxlabsuite.com/>



Six Meter DX!

This June has been full of surprises. Not the least is the conditions on HF! The openings to Europe and worldwide on the higher frequencies have been nothing short of astounding given we are at the bottom of the sunspot cycle.

As you know with the explosion of that “non-purest” DXing mode, FT8, the band activity has increased several fold... and they are all crammed into 3 KHz. Honestly, before the advent of WSJTx the bands were looking like a ghost town. Now hams are reconnecting with what drew them to the hobby in the first place and are more active on all modes and bands.

This brings us to the Magic Band, 6 meters. As you also know last year was the first time digital modes were used in earnest on 6. The outcome was, to say the least, surprising. There were two solid openings into Europe with many West Coast stations working several new band slots. The only draw back was the length of a QSO, 5 minutes. Nevertheless many endured this minor inconvenience, reading the morning news and enjoying a cup of coffee while the QSO transpired. Some even automated the process (that is you Mike, WB6DJI :-)) and left their station to work DX on it's own while they slept.

Then came FT8 and almost overnight the paradigm shifted. 6 meter DXers anxiously waited for the Es season to begin... and boy did it. There have been over 7 openings to Europe and Africa. In the past week we have seen almost daily openings to Asia and the Caribbean with occasional openings to South America. Many of these have been long and strong! Unfortunately the DX stations have not switched to CW and SSB when signal strength permitted. It is understandable. The efficiency of working weak stations is too attractive. It would have been nice to see the mixed mode opening. When the new feel of FT8 wears off many DX stations will take advantage of the opportunity and jump to CW and SSB.

One big advantage of FT8 is PSK Reporter. In an instant you can assess the conditions and take advantage of a short opening. You can see the opening as it progresses from East to West. Furthermore, with Mumble you can communicate with hams anywhere reporting the conditions and signal strengths.

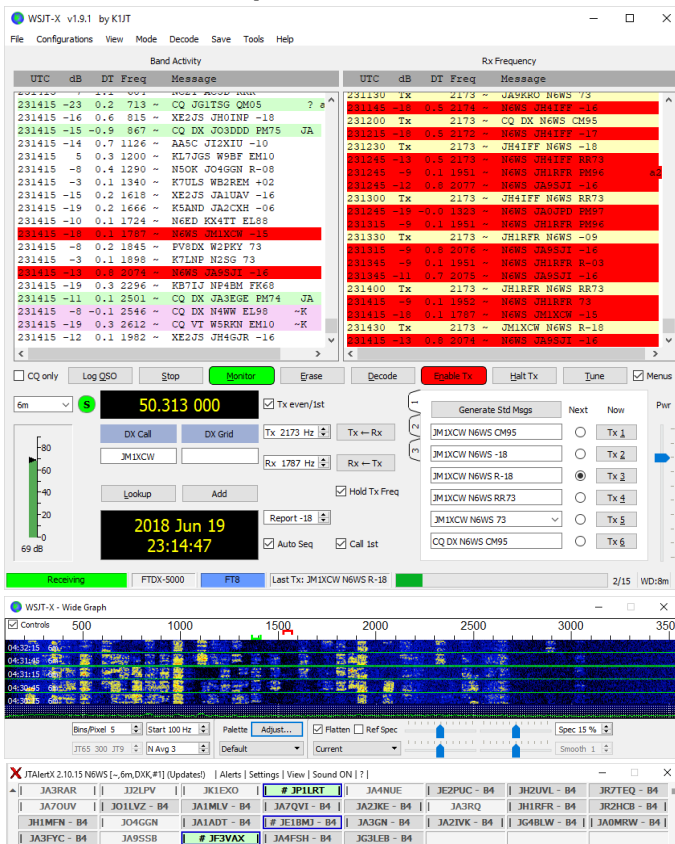
It is amazing how well Bill, N6WS, hears with his DB36 up 55 feet. He snagged several great ones! On 6/4 Bill was among the first to work CT, DL, EA, F, G, I, OE, S5, & SP! A few days later and we worked PA and on 6/14 we enjoyed another great opening. EA8DBM has been copied for hours during the African openings. During one opening CU3AK worked N6RV for his first West Coast contact. One of the biggest openings was on 6/20. Bill worked 57 JA stations. Many of us copied as many as 30 plus JAs per cycle, almost filling the screen. The next day there was another huge Asia opening. Many worked DU and BY! The day after that Korea was worked and Taiwan was copied! This type of propagation has never been reported before! History is being made.

As the season progresses the openings move North. Alaska appears late in the season as do Asia however, there have been early openings to Northern Europe! Keep your eye on this band. This season will be one for the records.

Stations Heard / Worked on 6 meters from the West Coast in June 2018

9A7Y	CT3HF	EA3LL	EA8DBM	G3XGS	DS3CHK	JA1BK	JH1MFN	JR2HCB	JF3DRI	JP7EIP	JA8WKE	ON7GB
BH4SYG	CR5D	EA4AFP	EI4DQ	G4BWP	HL3DE	JE1BMJ	JA1MLV	JR2HRR	JA3EGE	JA7KE	JH8XVH	ON8DM
CO2YQ	CU3AK	EA4EJR	F4GBD	G4FUF	IW4AOT	JA1DUH	JO1PSX	JA2IVK	JA3FYC	JA7KPI	JA9IPF	PA0RDY
CO3JR	DF3CB	EA4SV	F4GTB	G4IFX	I4EAT	JK1EXO	JH1PXH	JA2JKE	JA3GN	JH7MQU	JA9KRO	PA2M
CO8LY	DL4EA	EA5BY	F4VPC	HA5JI	IK5ACO	JN1GTG	JH1QDB	JJ2LPV	JA3QOS	JA7QVI	JA9LJS	PC5C
CT1BXT	DL8GP	EA5ISZ	F5OHS	HA8CE	IK6DTB	JA1HGY	JH1RFR	JF2MBF	JA3RHL	JR7TEQ	JA9SJI	PJ4X
CT1EPS	DK9WI	EA6SX	F6FRR	HA8FK	I6WJB	JM1IGJ	JA1RJU	JH2SBB	JA3RQ	JH7WCF	JA9SSB	PV8AJ
CT1GVN	EA1GCN	EA6VQ	F8DBF	HI3T	JH0INP	JR1IZM	JQ1TIV	JA2SSB	JA4DND	JA7WSZ	KP4AJ	PV8DX
CT1HMN	EA1YV	EA7HG	G0KSC	HI8PLE	JA0MRW	JG3LEB	JG1TSG	JF2UPM	JO4GGN	JA8EVL	NP4BM	PZ5RA
CT1HZE	EA2KR	EA7KBX	G0PQO	HI8SMX	JA0MVW	JM1LIK	JF1UVJ	JH2UVL	JH4UYB	JA8FFD	KP4LST	VP5DR
CT1ILT	EA2XR	EA7KP	G3TXF	HL1BRU	JA0RUG	JP1LRT	JA1XPQ	JA2VXZ	JA5MHD	JF8QNF	OE6IMD	VP9NM
CT1IUA	EA3GP	EA8AQV	G3WOS	HL2CFY	JA1ADT	JO1LVZ	JA2GDF	JJ2XIU	JA6RJK	JH8SIT	ON4GG	ZF1EJ

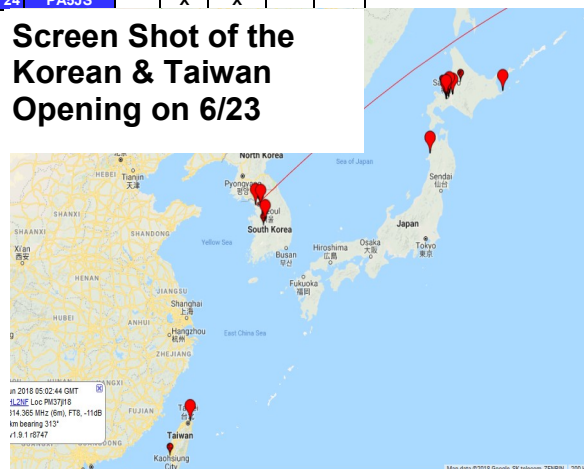
N6WS JA Pile Up 6/20



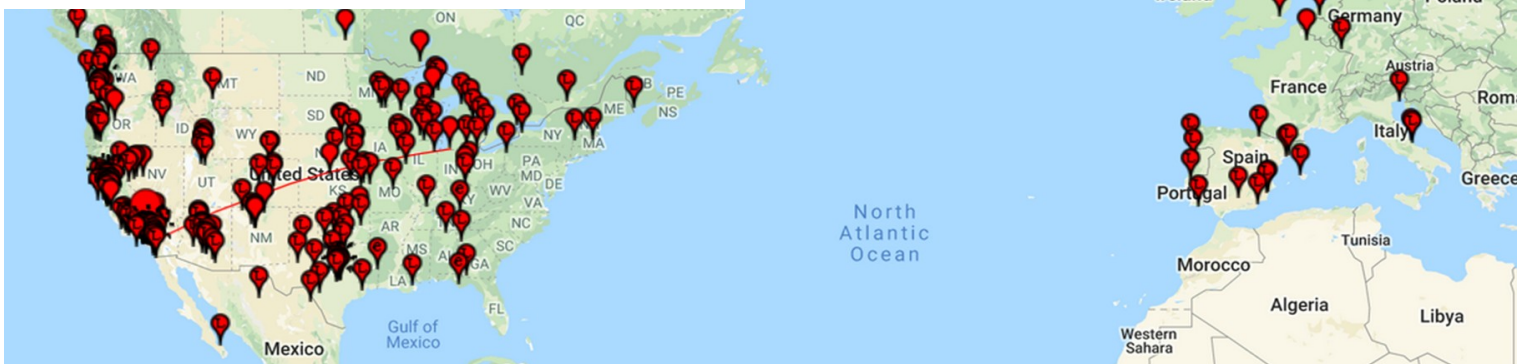
European Stations that Heard Us

Who Heard Us? 2018/06/04					Who Heard Us? 2018/06/07						Who Heard Us? 2018/06/14		
DX	N6CA	N6RV	N6WS		DX	K7JA	N6CA	N6RMJ	N6RV	N6WS	DX	N6CA	N6RV
Qty	15	5	22			12	17	19	6	6		6	
Az (deg.)	26 - 45	32 - 45	24 - 40		1	9A5CW			X		1	CR5D	
DL3BQA			X		2	CT1GVN				X	2	CT1BXT	
DB9BHJ	X				3	CT1HMN		X	X		3	CT1EPS	
EA1YV	X	X			4	CT1ILT	X	X	X	X	4	CT1HMN	
F1ISM	X	X	X		5	CT1IUA	X	X	X	X	5	CT1HZE	X
F1MXE			X		6	CT2HTM		X	X		6	CT1ILT	
F4GBD			X		7	EA2KR			X		7	CT1IUA	X
F4GTB			X		8	EA3LL	X	X	X	X	8	CT3HF	X
F4VPC			X		9	EA4CRP	X		X		9	CU3AK	X
F6FRR	X				10	EA4CYQ		X		X	10	EA1GCN	
F6GNZ			X		11	EA4SV		X	X		11	EA1YV	X
F8DBF	X	X	X		12	EA5/G3XGS	X	X	X	X	12	EA2XR	
G0HB	X				13	EA5AWC	X		X		13	EA6SX	
M0BPQ	X				14	EA5BY	X	X	X	X	14	EA7KBX	
G3TXF	X		X		15	EA5ISZ	X	X	X	X	15	EA8AQV	
G4IFX	X	X			16	F6GCP	X				16	EA8DBM	X
G4TUK			X		17	F8DBF		X					
HA0DU			X		18	HEAT			X				
HA5JI			X		19	I6WJB	X	X	X				
HA8CE			X		20	IK3TPP		X					
IW4AOT	X		X		21	IK6DTB	X	X	X				
I6WJB	X				22	PA0RDY		X					
I28XCQ	X				23	PA2M	X	X	X	X			
OE4VIE			X		24	PA5JS		X	X				
ON4GG			X										
ON7EH			X										
ON7GB			X										
OT4S	X												
PC5C	X												
S57RR	X		X										
S59A			X										
SP3E			X										
SP3RBG			X										
YU7EF			X										

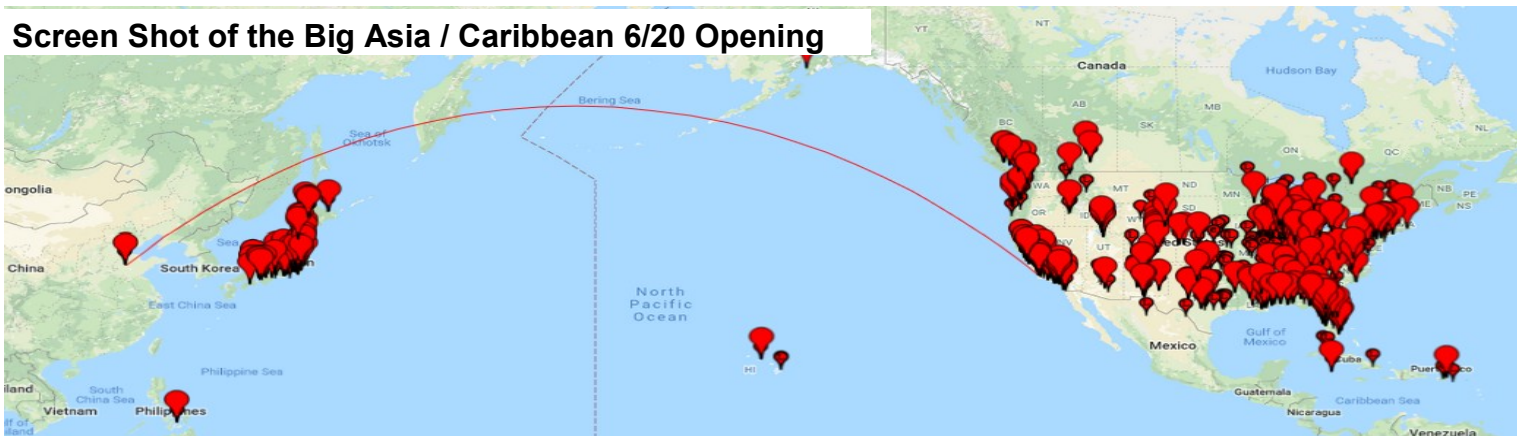
Screen Shot of the Korean & Taiwan Opening on 6/23



Screen Shot of the European Opening on 6/4



Screen Shot of the Big Asia / Caribbean 6/20 Opening



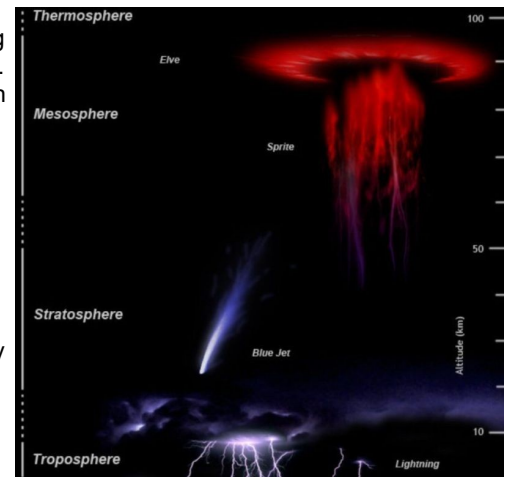
What is Sporadic E?

With the advent of FT8 it is enormously interesting to observe and participate in unusual openings. On 6 meters sporadic E (Es) is very common this time of the year. Recording and pushing the limits of the propagation mode has been the interest of many DXers during the sunspot low. This year appears to be one of the better years for Es. One advantage of this mode is that even small stations with low antennas can accomplish long haul DX.

Es is a transient propagation mode common in the 25 to 150 MHz band that occurs predominantly from May to July and November to December. Furthermore the openings tend to move northward over the seasonal period. There is a diurnal component to Es. Often openings in the late afternoon are followed by openings between 10 PM and midnight.

As the name implies this mode forms in the E layer of the ionosphere (50 - 100 mi.). It is caused by large patches of ionization (clouds) believed to be caused by thunderstorms. These clouds tend to migrate East to West following the prevailing wind at that altitude and the density of these clouds are affected by the vertical wind shear in the region.

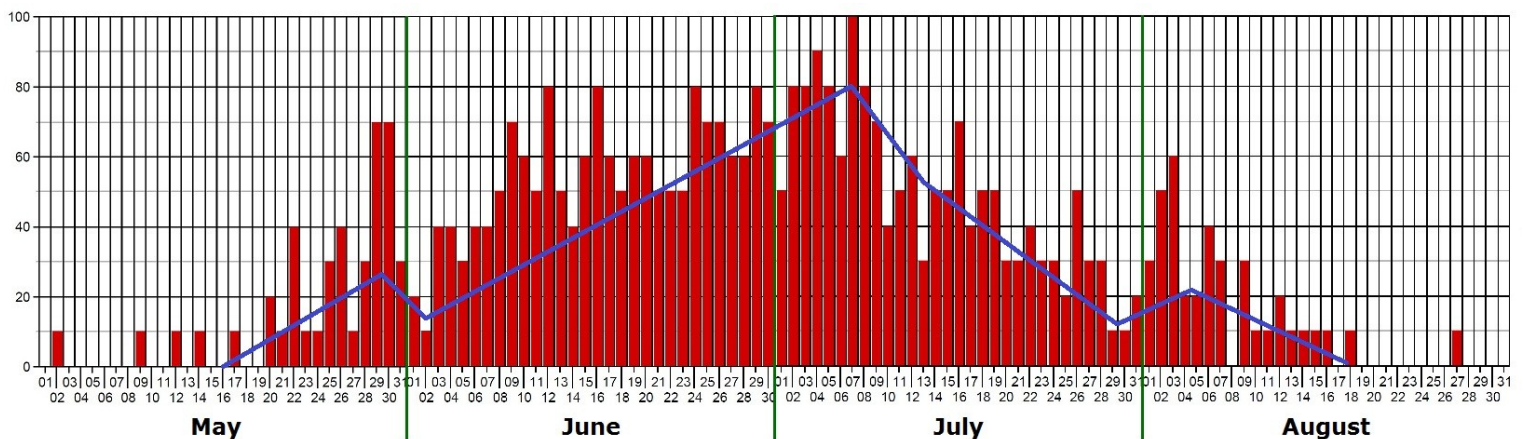
Because of the low altitude single hop range over which stations can communicate is between 500 to 1400 miles however multi-hop Es occurs fairly often. The farthest noted from the West Coast to date is 7400 mi. making this mode useful for long haul DX. Again, the transient nature of Es in combination with the alignment of multiple Es clouds makes the openings short lived with very small footprints. Openings have been noted covering only a half mile diameter however these small footprints move around in a random fashion over a larger region.



Graphic of Red Sprites, an ELVE, and a Blue Jet Emanating from a Thunderhead.

Recent discoveries of low intensity light emanating upward from thunderheads are believed to be the source of the ionization. Red sprites, sometimes called upward lightning, are low level light associated with cloud to ground lightning strokes. As the depiction above indicates these sprites look like jellyfish tentacles. This ionization sends electrons hurling high above the thunderheads. Blue Jets are similar phenomena occurring near the top of the active thunderhead but are not associated with cloud to cloud or cloud to ground lightning strokes. "Elves are rapidly expanding (up to 300 miles across) disk-shaped regions of luminosity, lasting less than a thousandth of a second, which occur high above energetic cloud-to-ground lightning of positive or negative polarity. Elves most likely result when an energetic electromagnetic pulse (EMP) propagates into the ionosphere. Though they can be accompanied by sprites, the causative mechanism is of an entirely different nature. Predicted to exist in 1991 and discovered with a low-light video camera aboard the Space Shuttle in 1992, elves got their name as an acronym for **Emission of Light and Very Low Frequency perturbations due to Electromagnetic Pulse Sources**." Elves occur fairly infrequently however given the number of lightning strikes at a given time these EMPs produce pretty significant large density clouds. Since these electrons are hurled to a higher altitude the recombination time is fairly long taking hours for these clouds to dissipate.

The random nature of this phenomena is the reason why this mode is so sporadic. Below is a chart indicating the number of QSOs from the East Coast to Europe over several years. This data predates FT8. The European openings observed on the West Coast seem to group around late May to early July. Northern propagation to North Europe appears near early July and the lower latitudes around early June. Alaska openings also seem to occur later in July. Asian openings have occurred as early as mid-May and carry on throughout the whole season. The really rare openings to China, Taiwan, Malaysia, and Korea seem to occur in late June, when openings to Japan are at a peak.



There are several good articles covering this subject however given new data these should be updated. Here are a few:

[Sporadic E](#)

[6 Meter Propagation Modes](#)

TID BITS

New to 160m DXing (N6WS)

Prior to last winter, 160m was a band I would only use during contests to pick up multipliers. There was also the occasional DXpedition to work, but other than those two occurrences, the band was just an unused switch on my transceiver. I also had not put much effort into my 160m antenna. My antenna was actually an 80m sloper with a pigtail clipped to the end to make it resonant on 160m. Last summer I bought a Cushcraft MA-160V vertical, but I just hadn't gotten around to putting it up when the 160m season had started.

During the 2018 CQ WW Phone contest there was a good opening to Europe on 160m. That opening spurred my enthusiasm to improve my chances of working DX on 160m. Within two weeks I had put up the MA-160V vertical, and bought an MFJ-1026 to help with receiving. I wanted to be ready to operate on 160m during the CQ WW CW Contest. Unfortunately, there was not a good opening to Europe for the West Coast during that contest. I did notice it was much easier to work the normal stations in zones 8, 9, 18, 19, 23, 24, 25, and 33 with the new antenna.

The 160m contests during January and February of 2018 worked out better for openings on 160m to Europe. I was not able to work any new countries during those contest, but it was fun to rework several common European countries. Since then, I have been able to work the common European countries in zones 14 and 15, as well as stations in zone 16, Belarus and Russia. This was a new experience for me, and I really liked being able to easily work DX stations on 160m.

We had about twenty openings to Europe last winter, and because of that, I am looking forward to this coming 160m season. I started planning methods to help me on 160m that would fit on my one acre lot, and not stretch the budget too far. The first thing I did was buy a second MA-160V antenna, so I could space them a $\frac{1}{4} \lambda$ apart and phase them. The two verticals are positioned broadside to Europe with the end-fire lobes toward the Caribbean and Japan. I also picked up a K9AY receiving loop.

The pair of Cushcraft MA-160V antennas were chosen because they are in front of the house, and somewhat hidden by trees. I would have preferred a pair of 60 ft. 3" diameter verticals, but they would have been too large for that location. The phasing box is homebrew, with a 2:1 transformer, relays, and $\frac{1}{4} \lambda$ delay line.

I have not finished putting everything together, but my plan is to have it ready for the CQ WW Phone Contest this year. I am hoping the combination of the antennas and the DSP functions in the Yaesu FTDX-5000 will make chasing DX on 160m even more fun this coming season.

Bouvet Presentation (W6HB)

Doug forwarded this excellent YouTube presentation on Bouvet by Bob Allphin.

[\(218\) Bouvet Presentation 3Y0Z by K4UEE - YouTube](#)

True Blue DXers Club (W6HB)



Doug sent a link to the [True Blue DXers Club](#)

Here is their statement of faith:

If watching a computer make contacts for you is not your idea of DX...

...you are a True Blue DXer!

LET US TELL YOU RIGHT AWAY: WE ARE NOT AGAINST ANYTHING, OR ANYBODY

Digital modes, particularly FT8, have literally taken Ham Radio by storm. We at True Blue DXers Club (TBDXC) applaud technical innovation, and we are glad that so many people have found a new avenue for their amateur radio passion. We wish digital operators every success and lots of enjoyment.

HOWEVER

We are saddened that such explosion of activity has come to the detriment of traditional, person-to-person modes of communication. Experience tells us that, even with poor propagation and rising noise, both high-level, competitive DX activity and leisurely ragchewing on CW and SSB are possible and highly enjoyable, even for stations with modest means. Yet, the CW and SSB sub-bands are often nearly deserted, whilst the FT8 "watering holes" literally explode with signals which would be perfectly copiable by ear.

THEREFORE

The TBDXC was founded in early June 2018 primarily to bring together like-minded operators who may feel that their ethos and approach to DX communication is dying off. Given the level of enthusiasm the Club has triggered in only its first week of existence, this is obviously not the case. Practically, the aim of the Club is to a) to promote the use of radiotelegraphy (CW) and radiotelephony (SSB) in long-distance communications on the amateur bands; and b) to encourage the continuous improvement and refinement of the human, personal skills needed to do so. If the first paragraph on this page was not clear enough, let us repeat that this is not a crusade against digital modes, their developers and users. It is a crusade for a certain type of ham radio activity. In particular:

WE RECLAIM THE PRIDE AND JOY OF DXing AS A DIFFICULT, CHALLENGING PURSUIT

DXing means pushing the limits - one's own and the station's. DXing requires skills, knowledge, determination, patience, endurance, investment - it's a constant pursuit of excellence, one that, for some, has lasted a lifetime. It is that spirit that makes a DXer, and not the results he or she has achieved. The Old Timer waiting for the last DXCC country to complete the #1 Honor Roll and the newcomer struggling to push beyond 100 from a noisy city lot belong together - they are True Blue DXers.

WE LOVE THE PLEASURE AND WARMTH OF PERSON-TO-PERSON COMMUNICATION

There is more to DXing than competing in furious pileups, waiting for that elusive 6m opening or spending sleepless nights trying to dig a signal out of the noise on Top Band. Simply communicating with a fellow ham thousands of miles away remains, for most of us, an exquisite pleasure. True Blue DXers love the sound of DX - the auroral flutter on Polar paths, the slow fading over the oceans, the slapback delay on multipaths. They like to hear that there is a fellow ham behind the key or the microphone, in a faraway place.

IF THESE SIMPLE IDEAS SPEAK TO YOU, YOU ARE A TRUE BLUE DXer

Then, why not joining the Club? Apart from your personal commitment to pursuing and promoting more traditional forms of DX activity, there are no requirements. And, there are no membership fees. Belonging to the True Blue DXers Club is essentially a proud statement: this is what we do, this is who we are.

Even though the organization states this is not their intent, right off the bat this group's name is a little off-putting. Maybe there is a language problem or the inference of exclusivity is intended. True Blue implies that any other group is not true, hence dishonest, fake.

Historically ragchewing has been an interpersonal activity but not DXing. Actually, an uninvited long drawn out QSO with rare DX is often considered rude! This has been an unspoken truth as long as there has been DXing. That said, there is ample opportunity for camaraderie and interpersonal interaction. If the DX station wants a long QSO then by all means carry on a QSO.

A few reasons for the inactivity in other modes are the decrease in the ham population, the preference of new hams with small stations to use digital modes, the efficiency of FT8, the tools available with FT8, and the increase in other methods of communication that can occur concurrent with being on the air. The ratio of hams listening to hams transmitting has increased dramatically. Just note what happens when a new entity like Kosovo comes on the air or listen during contest weekend. The bands explode! We just do not transmit as much.

"Because it is hard" has never been a core value of DXing. It is challenging, however, difficulties are challenges that we overcome with skill and technology. On the other hand facilitating the ease of DXing has been a core focus among the community. If the same rules laid out by TDXC were applied to the succession of enabling technologies witnessed since the inception of amateur radio then we would be using spark gaps and coherers, that is, if we ever got past sitting around campfires grunting. Better antennas, better receivers, electronic and memory keyers, computer logging, computer radio control, noise reduction techniques, software defined radios, and even remote stations have aided in making DXing easier. It leaves us wondering if the TBDXC founders ever used 1940 to 1970 era technology to chase DX. Most of those "modern" stations are severely disadvantaged relative to today's technology. Today's modern stations equipped with a good size tower and compliment of antennas were something amateurs in that era only dreamed of and few really had, not to mention that the superstations today are really doing the heavy lifting for us.

Today most RTTY contacts have evolved into a computer decoding messages. Most QSOs are canned messages where the operator pushes a few more buttons. It is disheartening to visit shacks where a key is not even present on the desk. We all should strive to become proficient CW operators but, until you are, why be denied access to that mode?

To say one method of DXing is "True Blue" is neither accurate or acceptable. There room for a wide variety of modes and methods.

Many statements made by the TBDXC are not based in fact. Real DXing is chasing DX not chatting DX. The concept laid out by this organization is one that has held for some time by a very small minority of the amateur radio community. Grant it, it is a sad day when we see so few on any other mode however prior to WSJTx the band population had already fallen off precipitously.

Perhaps rather than grousing about new technology we should be out by enticing, recruiting, and training our replacements in whatever aspect we deem appropriate. Maybe we should be asking ourselves if we look like the old timers we saw when we started out in the hobby. Technology too left them in the rear view mirror. (ed.)

For Sale (KJ6Y)

Estate Sale: Prices negotiable.

1. Yaesu FT-1000 original. 200 watts output. Excellent condition. \$650.00
2. Alpha 87A Amplifier, Full power output, excellent condition. \$3000.00
3. Tri-Ex HZN-354 motorized heavy duty crank up, free standing tower. Decent condition. Includes mast, coax arms, thrust bearing, rotator plate. \$500.00
4. Astron 20 amp power supply. \$40.00
5. Bird 43 Watt meters. \$125.00

kj6y@aol.com

HRO HAM JAM 2018 (KL7MF)

Our 7th Annual HRO Ham Jam is coming up!

Saturday, July 7, 2017 is the date, store hours are 10AM-5:30PM, and once again we will be hosting our local clubs and communications specialists in the store parking lot for another educational and fun event.

Come see local communications vehicles, learn about Hospital Disaster Services, and see how many of the local clubs make various activities available to local hams. We look forward to hearing from any local group who would like to reserve space for this event. However, space is limited and will be available on a first-come, first-served basis. Unfortunately, we cannot accept any last minute requests out of respect for our neighboring businesses and the limited parking space here in our strip mall.

The hotdog lunch this year will be hosted by Big Brothers Big Sisters of Orange County courtesy of NCG Co , and Mr. Gordon West and many manufacturer representatives (including Yaesu, Kenwood, Icom, Comet/Daiwa, ABR Industries, and Bioenno among others) will be available for questions. Seminars will be scheduled on various subjects, including D-Star, C4FM System Fusion/Wires, and the hot new ZUMspot.

License testing will also be available most of the day; if interested in testing, please call Janet at the store at 714-533-7373 with name and contact information so that we may plan for appropriate seating.

Two prize drawings will be held during the day at 12 noon and 3PM. Winners will need to be present to win goodies from many of our suppliers who have donated some really great stuff!

Come join us for a fun-filled Saturday of ham radio; make it your goal to leave having learned at least one new thing and/or shared your own knowledge with at least one new ham.

Janet Margelli, KL7MF
Manager
Ham Radio Outlet
933 N Euclid St
Anaheim, CA 92801
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(714)533-9485 Fax

anaheim@hamradio.com <<mailto:anaheim@hamradio.com>>

www.hamradio.com <<http://www.hamradio.com>>

Resource Page

Useful DX Sites

N0HR DXpedition Map
www.n0hr.com/wk34/

The DX Zone
www.dxzone.com/catalog/DX_Resources/

The Daily DX
www.dailydx.com/

Announced DX Ops
www.ng3k.com/misc/adxo.html

DXing.info
www.dxing.info/dxpeditions/

DX 425 News
www.425dxn.org/dxped/

Dx-info.de
www.dx-info.de

DX Italia DX News

Propagation As the Drum Beats

We are face down in the mud and there is nothing we can do about it! The sun has a mind of its own and answers to none of us so just hang in there and work what you can. This is the worst of it. Anxious expectation will only make things worse so just get on the air and have fun!!!

ARRL VE Exam Sessions

To find an ARRL exam sessions in your area go to the website:

<http://www.arrl.org/find-an-amateur-radio-license-exam-session>

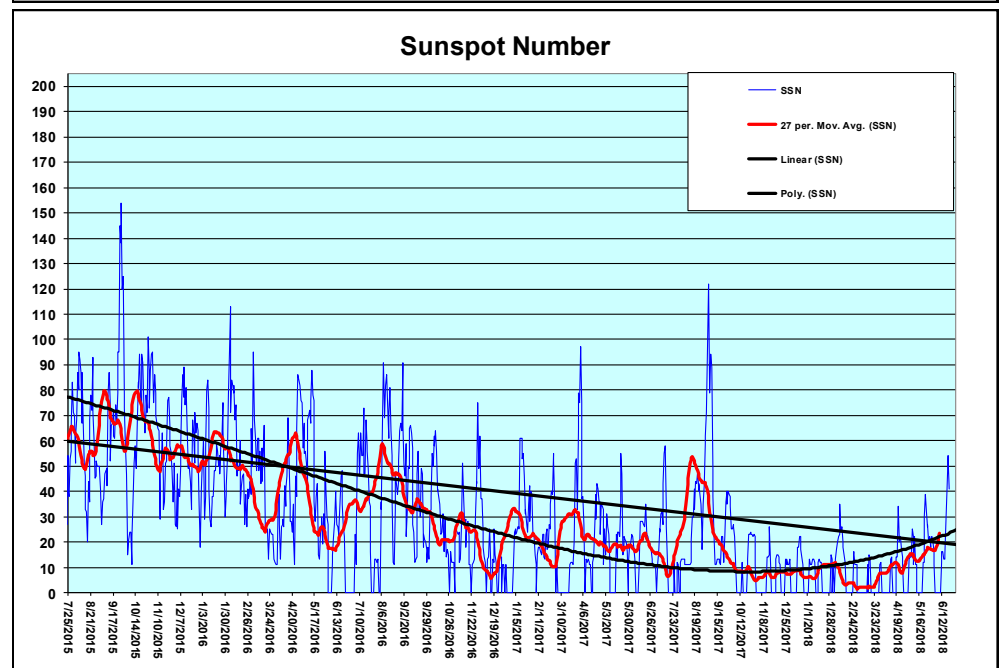
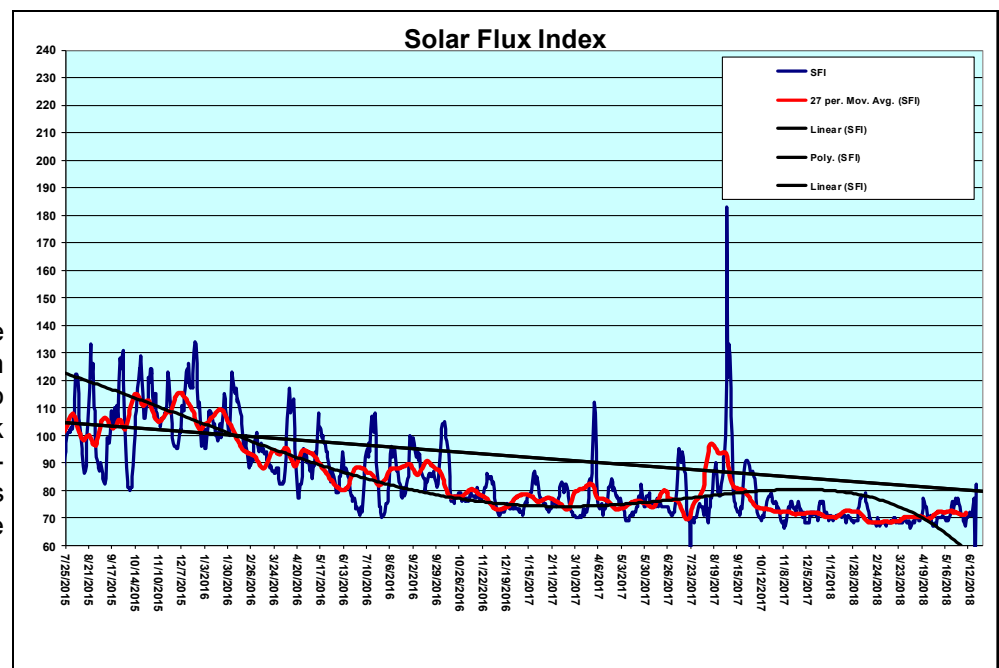
Club and Conduct Sites

Officer Guidelines

http://www.scdxc.org/download/Officer_Guidelines.pdf

DX Code of Conduct

<http://www.dx-code.org/>





Store	E-mail	Direct	Toll Free	Fax
Anaheim	ana@hamradio.com	1-714-533-7373	1-800-854-6046	1-714-533-9485
Burbank	bnk@hamradio.com	1-818-842-1786	1-800-854-6046	1-818-842-5283
San Diego	sd@hamradio.com	1-858-560-4900	1-800-854-6046	1-858-560-1705

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